

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/S31,095  
Source: PL4  
Date Processed by STIC: 4-19-05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 04/19/2005

PATENT APPLICATION: US/10/531,095

TIME: 08:52:58

Input Set : A:\PTO.SR.txt

Output Set : N:\CRF4\04192005\J531095.raw

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3 <110> APPLICANT: Krause, Henry M.
4   Simmonds, Andrew J.
6 <120> TITLE OF INVENTION: TRAP-Tagging: a novel method for the identification and
purification of
7   RNA-protein complexes
9 <130> FILE REFERENCE: 3110 0032
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/531,095
C--> 11 <141> CURRENT FILING DATE: 2005-04-07
11 <150> PRIOR APPLICATION NUMBER: CA 2,407,825
12 <151> PRIOR FILING DATE: 2002-10-11
14 <160> NUMBER OF SEQ ID NOS: 19
16 <170> SOFTWARE: PatentIn version 3.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 68
20 <212> TYPE: DNA
C--> 21 <213> ORGANISM: Artifical Sequence
23 <220> FEATURE:
25 <223> OTHER INFORMATION: S1 DNA sequence,
26   including insulators with BglIII ends
28 <400> SEQUENCE: 1
29 atcgataaaa agaccgacca gaatcatgca agtgcgtaag atagtcgcgg gccgggaaaa      60
31 aaatcgat                                                                68
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 45
36 <212> TYPE: DNA
C--> 37 <213> ORGANISM: Artifical Sequence
39 <220> FEATURE:
41 <223> OTHER INFORMATION: S1 DNA sequence,
42   BglIII cloning site and spacers
44 <400> SEQUENCE: 2
45 gaccgaccag aatcatgcaa gtgcgtaaga tagtcgcggg ccggg                      45
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 68
50 <212> TYPE: RNA
C--> 51 <213> ORGANISM: Artifical Sequence
53 <220> FEATURE:
55 <223> OTHER INFORMATION: S1 RNA sequence
57 <400> SEQUENCE: 3
58 aucgauaaaa agaccgacca gaaucaugca agugcguaag auagucgcgg gccgggaaaa      60
60 aaaucgau                                                                68
63 <210> SEQ ID NO: 4
64 <211> LENGTH: 38
65 <212> TYPE: DNA
C--> 66 <213> ORGANISM: Artifical Sequence

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68 <220> FEATURE:
70 <223> OTHER INFORMATION: MS2 DNA sequence
72 <400> SEQUENCE: 4
73 gactctagaa acatgaggat cacccatgtc tgcaggtc 38
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 38
78 <212> TYPE: RNA
C--> 79 <213> ORGANISM: Artifical Sequence
81 <220> FEATURE:
83 <223> OTHER INFORMATION: MS2 RNA sequence
85 <400> SEQUENCE: 5
86 gacucuagaa acaugaggau cacccauguc ugcagguc 38
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 96
91 <212> TYPE: DNA
C--> 92 <213> ORGANISM: Artifical Sequence
94 <220> FEATURE:
96 <223> OTHER INFORMATION: two MS2 DNA sequences,
97 including insulators with SacII ends
99 <400> SEQUENCE: 6
100 gagctcaaaa acgactctag aaacatgagg atcacccatg tctgcaggtc gactctagaa 60
102 acatgaggat accatgtctg cagggtcaaaa gagctc 96
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 75
107 <212> TYPE: DNA
C--> 108 <213> ORGANISM: Artifical Sequence
110 <220> FEATURE:
112 <223> OTHER INFORMATION: two MS2 DNA sequences
114 <400> SEQUENCE: 7
115 cgactctaga aacatgagga tcacccatgt ctgcaggctg actctagaaa catgaggata 60
117 ccatgtctgc aggtc 75
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 96
122 <212> TYPE: RNA
C--> 123 <213> ORGANISM: Artifical Sequence
125 <220> FEATURE:
127 <223> OTHER INFORMATION: two MS2 RNA sequences
129 <400> SEQUENCE: 8
130 gagcucaaaa acgacucuag aaacaugagg aucaccaug ucugcagguc gacucuagaa 60
132 acaugaggau accaugucug caggucaaaa gagcuc 96
135 <210> SEQ ID NO: 9
136 <211> LENGTH: 64
137 <212> TYPE: DNA
C--> 138 <213> ORGANISM: Artifical Sequence
140 <220> FEATURE:
142 <223> OTHER INFORMATION: Streptotag DNA sequence,
143 including insulators and KpnI
145 <400> SEQUENCE: 9
146 gtaccaaaaag gatcgcattt ggacttctgc ccagggtggc accacgtgcg gatccaaaag 60

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148 gtac 64
151 <210> SEQ ID NO: 10
152 <211> LENGTH: 46
153 <212> TYPE: DNA
C--> 154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
158 <223> OTHER INFORMATION: Streptotag DNA sequence
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161 ggatcgcat tggacttctg cccaggggtgg caccacgtgc ggatcc 46
164 <210> SEQ ID NO: 11
165 <211> LENGTH: 64
166 <212> TYPE: RNA
C--> 167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
171 <223> OTHER INFORMATION: Streptotag RNA sequence
174 <400> SEQUENCE: 11
175 guacaaaaag gaucgcuuuu ggacuucugc ccaggguggc accacgugcg gaucacaaaag 60
177 guac 64
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 33
182 <212> TYPE: DNA
C--> 183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
187 <223> OTHER INFORMATION: Nut DNA sequence,
188 including insulators and KpnI ends
190 <400> SEQUENCE: 12
191 gatccttttc ggggtgaaaaa gggcttttgg tac 33
194 <210> SEQ ID NO: 13
195 <211> LENGTH: 15
196 <212> TYPE: DNA
C--> 197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
201 <223> OTHER INFORMATION: Nut DNA sequence
203 <400> SEQUENCE: 13
204 cgggtgaaaa agggc 15
207 <210> SEQ ID NO: 14
208 <211> LENGTH: 33
209 <212> TYPE: RNA
C--> 210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
214 <223> OTHER INFORMATION: Nut RNA sequence produced from SEQ NO 12
216 <400> SEQUENCE: 14
217 gaucuuuuuc gggugaaaaa gggcuuuugg uac 33
220 <210> SEQ ID NO: 15
221 <211> LENGTH: 64
222 <212> TYPE: DNA
C--> 223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
227 <223> OTHER INFORMATION: D8 DNA sequence

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229 <400> SEQUENCE: 15
230 ccgaccagaa gtccgagtaa ttacgtttt gatacggttg cggaacttgc tatgtgcgtc      60
232 taca                                                                    64
235 <210> SEQ ID NO: 16
236 <211> LENGTH: 64
237 <212> TYPE: RNA
C--> 238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
242 <223> OTHER INFORMATION: D8 RNA sequence
244 <400> SEQUENCE: 16
245 ccgaccagaa guccgaguaa uuacguuuu gauacggug cggaacuugc uaugugcguc      60
247 uaca                                                                    64
250 <210> SEQ ID NO: 17
251 <211> LENGTH: 139
252 <212> TYPE: DNA
C--> 253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
257 <223> OTHER INFORMATION: TRAPS1 DNA,
258     including BglII, ClaI restriction sites and spacers
260 <400> SEQUENCE: 17
261 agatctaaaa gaccgaccag aatcatgcaa gtgcgtaaga tagtcgcggg ccgggaaaaa      60
263 agatctgata tcatcgataa aaagaccgac cagaatcatg caagtgcgta agatagtcgc      120
265 gggccgggaa aaaatcgat                                                    139
268 <210> SEQ ID NO: 18
269 <211> LENGTH: 102
270 <212> TYPE: DNA
C--> 271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
275 <223> OTHER INFORMATION: TRAPMS2 DNA,
276     including ScaI restriction site and spacers
278 <400> SEQUENCE: 18
279 gagctcaaaa acgactctag aaaacatgag gatcacccat gtctgcaggt cgactctaga      60
281 aaacatgagg atcacccatg tctgcaggtc gaaaaagagc tc                        102
284 <210> SEQ ID NO: 19
285 <211> LENGTH: 44
286 <212> TYPE: DNA
C--> 287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
291 <223> OTHER INFORMATION: TAR DNA sequence
293 <400> SEQUENCE: 19
294 agatctaaaa gtcgtgtagc tcattagctc cgacaaaaag atct                        44

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## VERIFICATION SUMMARY

DATE: 04/19/2005

PATENT APPLICATION: US/10/531,095

TIME: 08:52:59

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04192005\J531095.raw

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:21 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:37 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:51 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:66 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:79 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:92 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6  
L:108 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7  
L:123 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8  
L:138 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9  
L:154 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10  
L:167 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11  
L:183 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12  
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L:271 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18  
L:287 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19